SS-G5a

Canadian Model
E Model
UK Model

CARBOCON SPEAKER SYSTEM

SPECIFICATIONS

Speaker System: Three-way, bass reflex enclosure
- Low frequency: 30 cm (12 inches) cone type
- Mid frequency: 8 cm (3¼ inches) balanced-drive type
- High frequency: 3.5 cm (1½ inch) balanced-drive type

Nominal Impedance: 8 Ω

Nominal Power Handling Capacity: 80 W DIN 45500

Music Power Handling Capacity: 150 W DIN 45500

Sensitivity: 93 dB (1 W, 1 m)
2 W (96 dB, 1 m) DIN 45500

Effective Frequency Range: 30 Hz – 20,000 Hz

Crossover Frequencies: 600 Hz
5,500 Hz

Level Controls: Tweeter: from +0 dB to –50 dB continuously adjustable
Mid-range: from +0 dB to –50 dB continuously adjustable

Terminals: Push pots

Volume: 62 liters

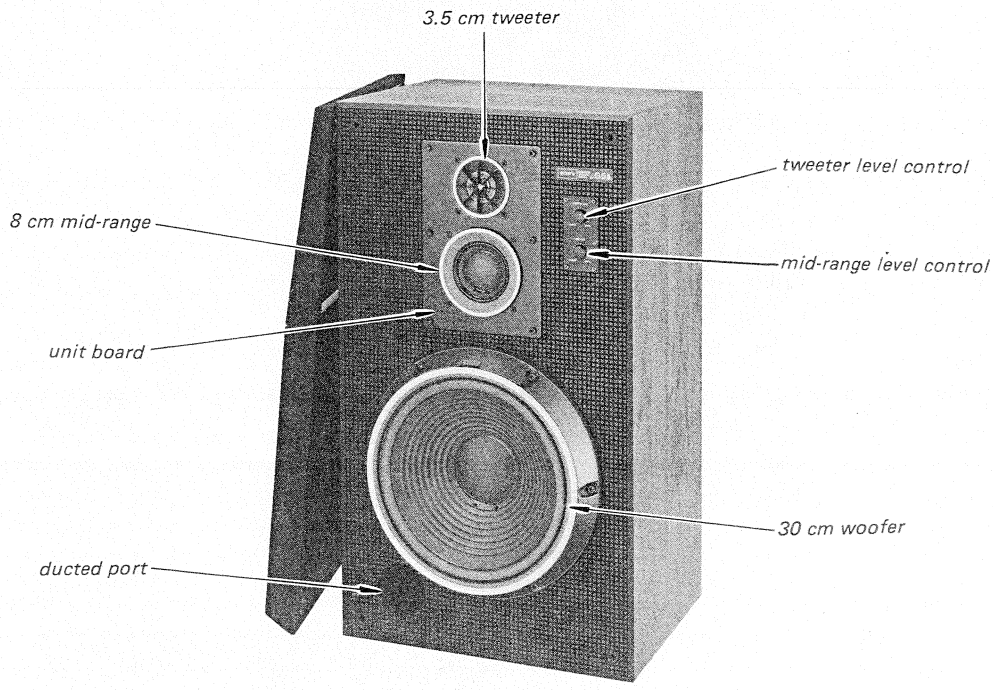
Dimensions: Approx. 415 (w) x 720 (h) x 345 (d) mm
16 5/16 (w) x 28 5/16 (h) x 13 5/8 (d) inches
with front grille

Weight: Approx. 27 kg, 60 lb (net)
29 kg, 64 lb (with shipping carton)

MICROFILM

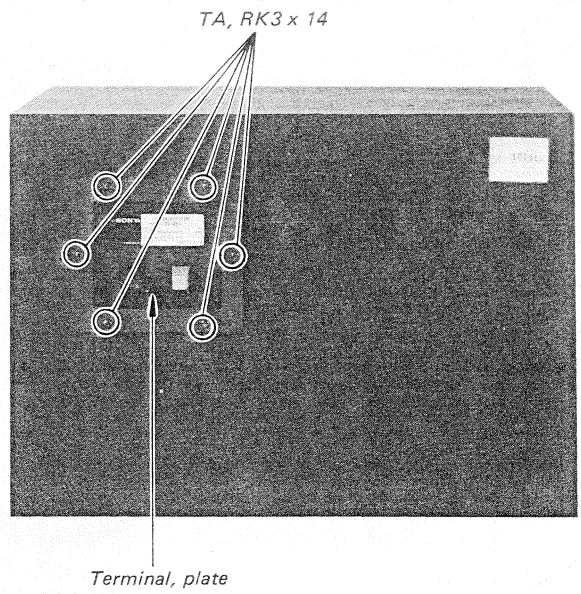
SONY®
SERVICE MANUAL

1. PARTS IDENTIFICATION



2. DISASSEMBLY

2-1. NETWORK BOARD REMOVAL

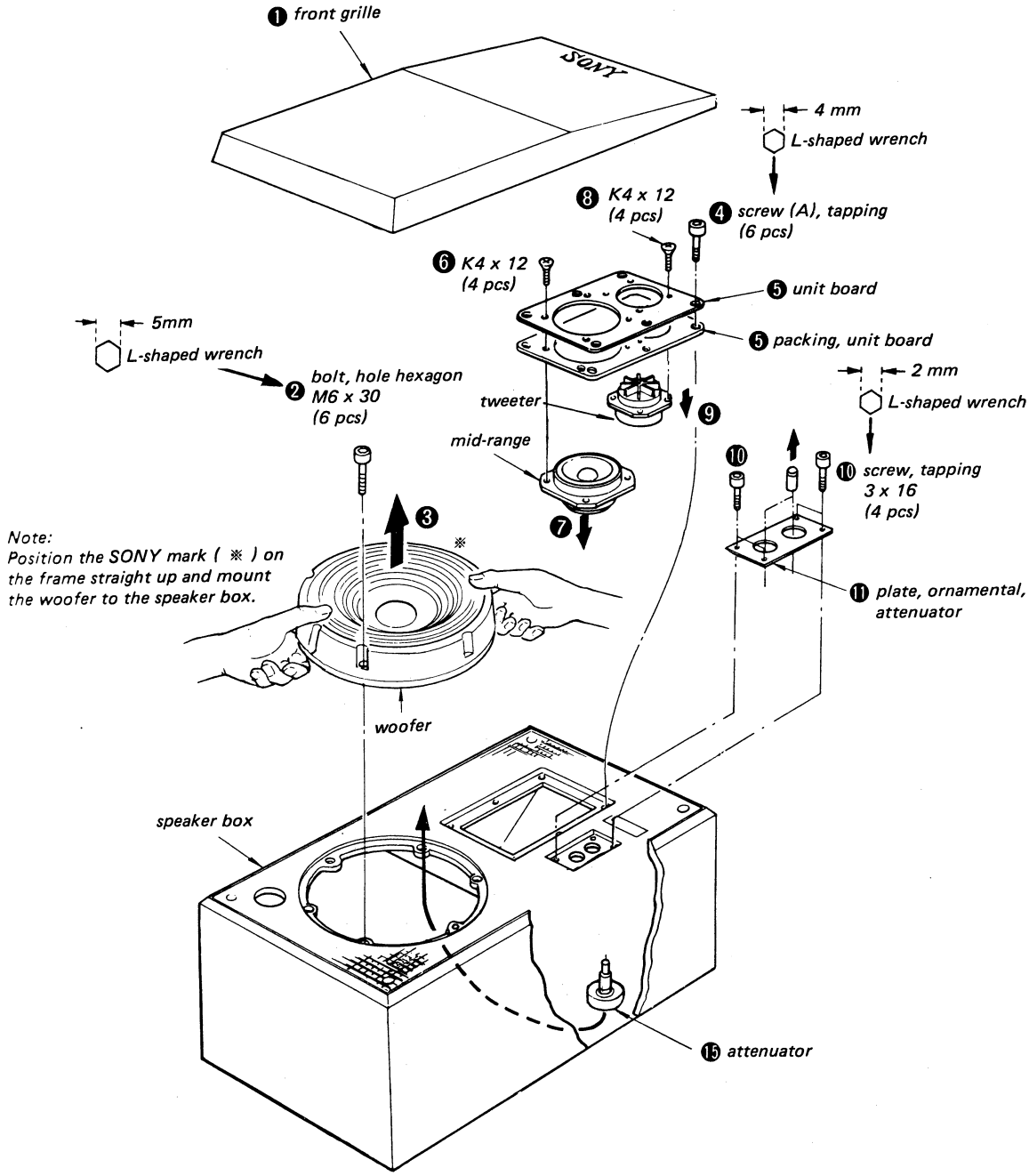


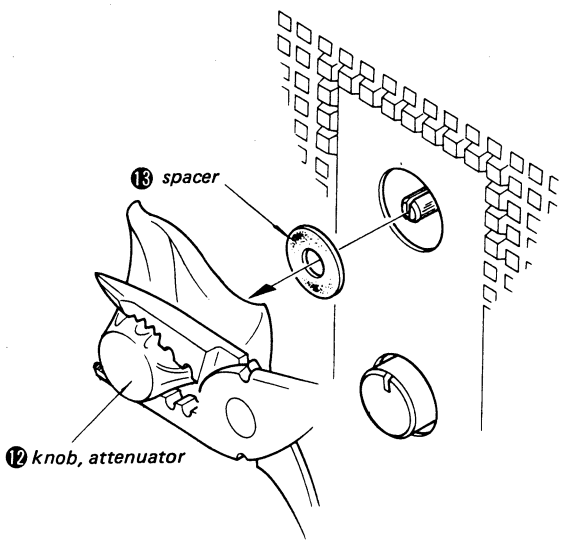
Remove the six screws. (After removing the terminal board, replace the parts on the printed circuit board.)

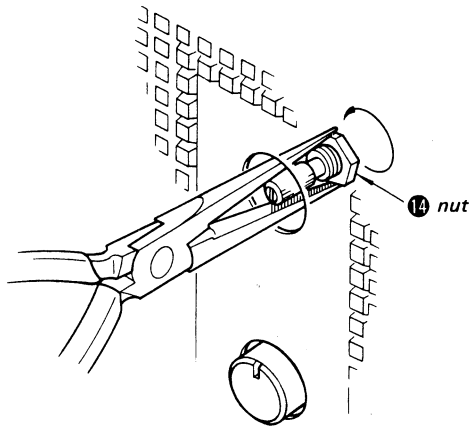
2-2. SPEAKER UNIT, ATTENUATOR REMOVAL

Remove in the numerical order as shown below.

1. SPEAKER UNIT
   - Woofer: ❶ → ❷ → ❸
   - Mid-range: ❶ → ❹ → ❺ → ❻ → ❼
   - Tweeter: ❶ → ❹ → ❺ → ❽ → ❾
2. ATTENUATOR: ❶ → ❷ → ❸ → ❿ → ⓫ → ⓬ → ⓭ → ⓮ → ⓯



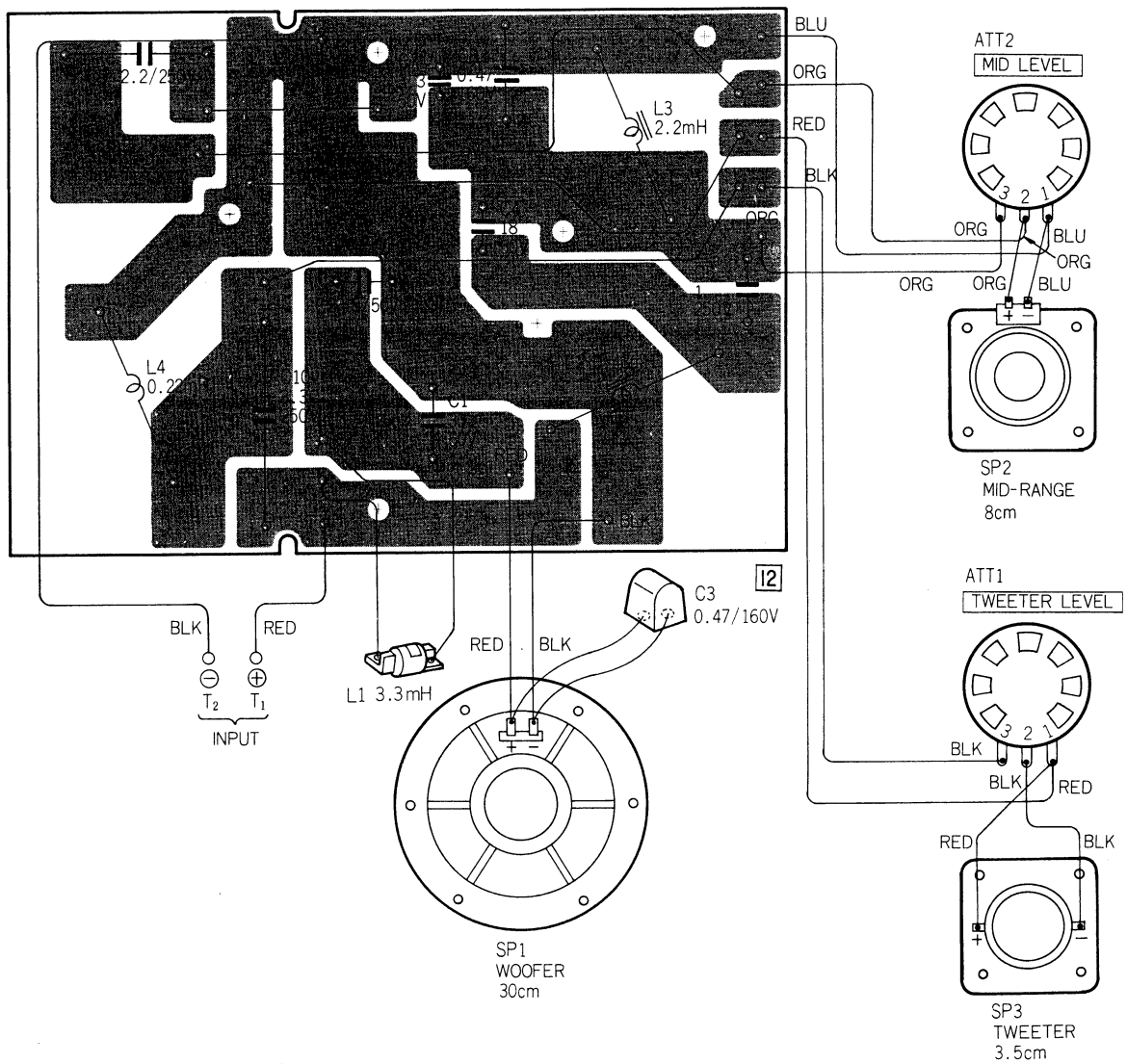

⑬ spacer
⑫ knob, attenuator


⑭ nut

A B C D

1 2 3 4 5

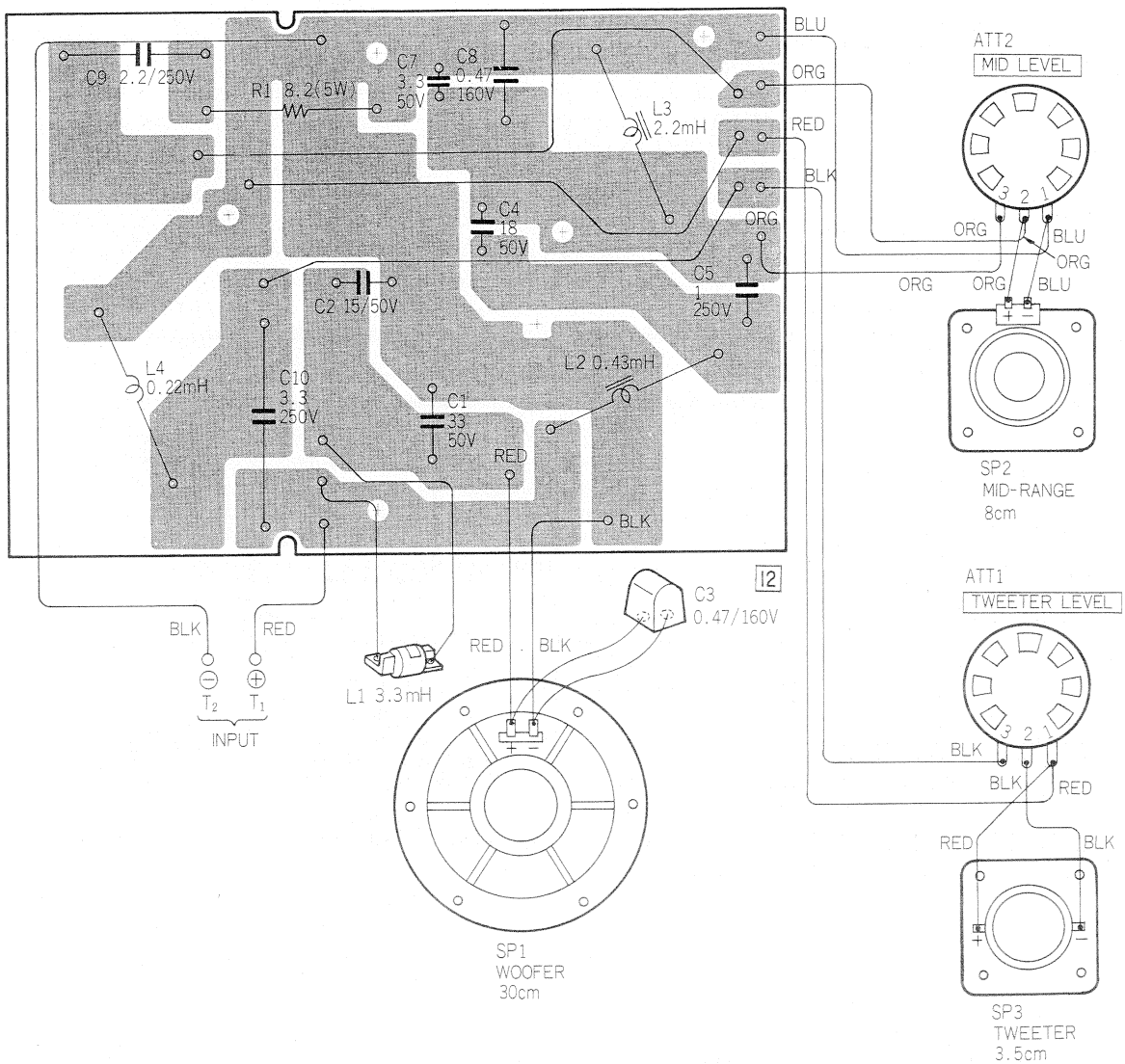
3. MOUNTING DIAGRAM



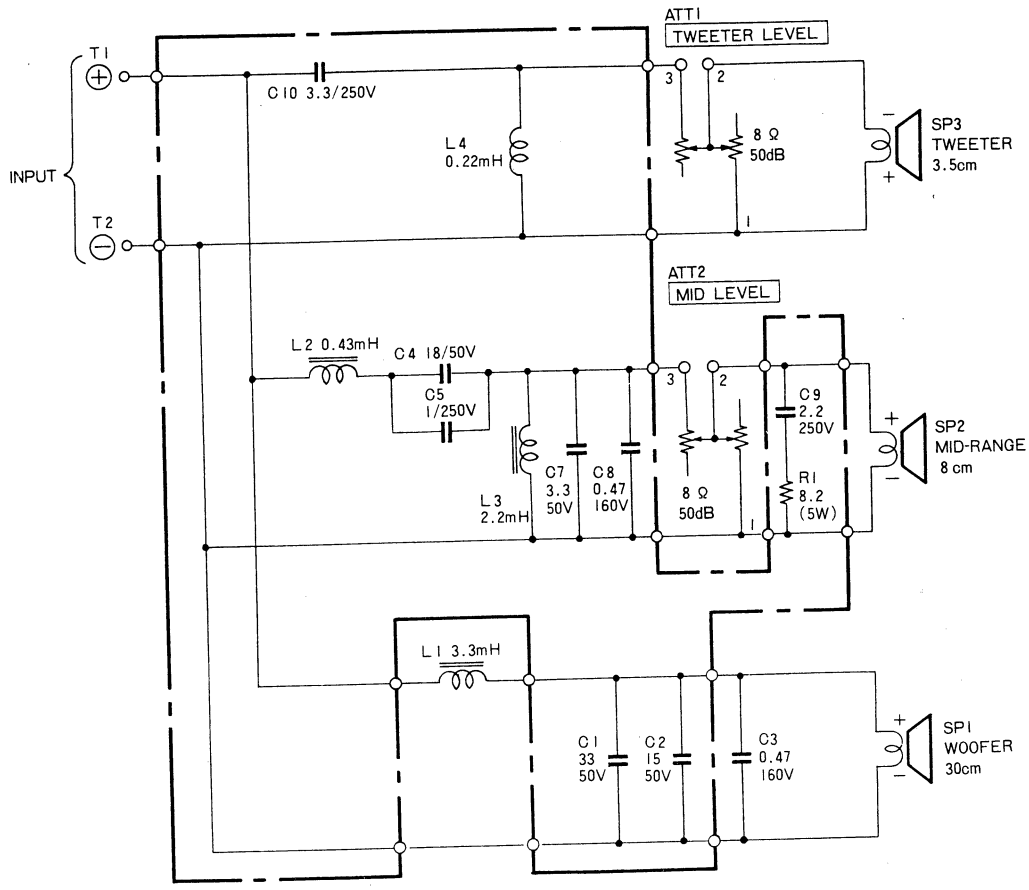
A B C D

1 2 3 4 5

3. MOUNTING DIAGRAM



4. SCHEMATIC DIAGRAM



Note:

- ○— : parts extracted from the component side.
- All capacitors are in μF.
- All resistors are in ohms.

CAUTION:
Be careful to the polarity of the speaker when connecting the speaker.

5. EXPLODED VIEW AND PARTS LIST

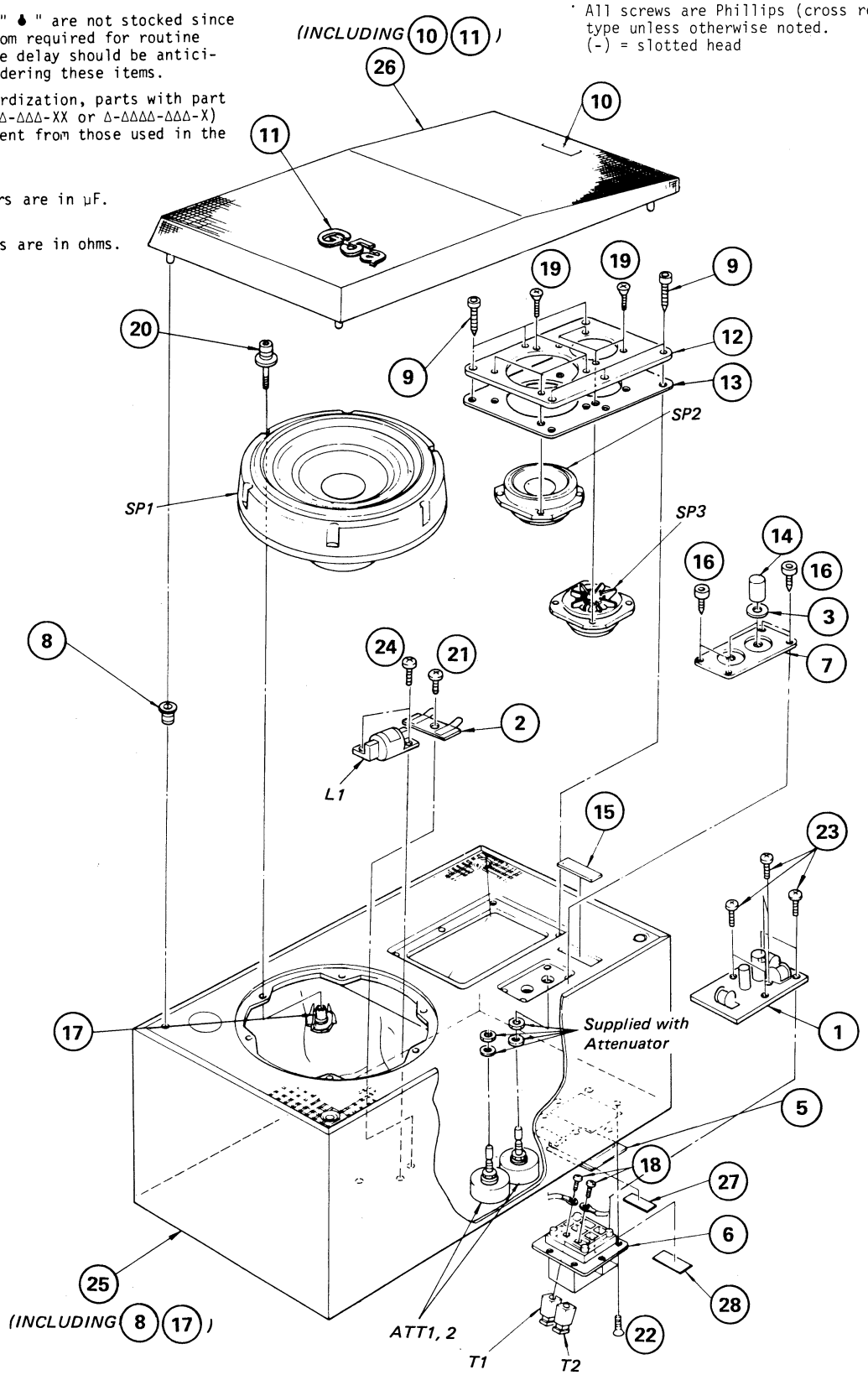
NOTE:

- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF.

RESISTORS
- All resistors are in ohms.

- All screws are Phillips (cross recess) type unless otherwise noted.
(-) = slotted head



GENERAL SECTION

No.	Part No.	Description
1	♦;1-602-719-00	PC BOARD, NETWORK
2	2-321-308-00	PLATE, TERMINAL
3	3-831-441-XX	SPACER
4	**********	
5	♦;4-844-824-00	PACKING, TERMINAL
6	4-844-825-00	BOARD, TERMINAL
7	4-849-016-21	PLATE,ORNAMENTAL,ATTENUATOR
8	4-849-034-00	CATCHER
9	4-849-042-00	SCREW (A), TAPPING
10	4-849-833-00	EMBLEM, SONY
11	4-850-813-00	EMBLEM, MODEL NUMBER
12	4-865-405-00	BOARD, UNIT
13	4-865-407-00	PACKING, UNIT BOARD
14	4-869-404-00	KNOB
15	4-869-414-00	EMBLEM, BAFFLE BOARD
16	4-869-418-00	SCREW (DIA.3), TAPPING
17	4-869-430-00	NUT (M6), T, CLAW
18	7-682-148-13	SCREW +P 3X8
19	7-682-263-09	SCREW +K 4X12
20	7-683-461-04	BOLT, HOLE, HEXAGON
21	7-685-149-61	SCREW +PTP 3X14 TYPE4
22	7-685-349-69	SCREW +RKTP 3X14 TYPE4
23	7-685-648-21	SCREW +BVTP 3X12 TYPE2 SLIT
24	7-685-663-61	SCREW +BVTP 4X16 TYPE4
25	♦;X-4869-401-0	BOX ASSY, SPEAKER
26	X-4869-403-0	GRILLE, ASSY, FRONT
27	4-866-816-00	LABEL, CAUTION
28	4-869-432-00	LABEL, MODEL NUMBER

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
31	1-534-687-00	CORD,SPEAKER SYSTEM CONNECTION
32	3-701-020-00	BAG, CHECK SHEET
33	3-783-145-11	MANUAL, INSTRUCTION
34	4-869-431-00	CARTON

ELECTRICAL PARTS

Ref.No.	Part No.	Description	
ATT1	1-511-028-00	ATTENUATOR	
ATT2	1-511-028-00	ATTENUATOR	
C3	1-130-575-00	CAP, POLYESTER FILM 0.47MF	160V
C9	1-130-090-00	CAP, POLYESTER FILM 2.2MF	250V
C10	1-130-119-00	CAP, POLYESTER FILM 3.3MF	250V
L1	1-459-324-00	COIL, NETWORK	3.3MH
L2	1-459-326-00	COIL, NETWORK (CHUS TYPE)	0.43MH
L3	1-459-163-00	COIL, NETWORK (CHUS TYPE)	2.2MH
L4	1-459-325-00	COIL, NETWORK	0.22MH
R1	1-217-582-00	RES, WIREWOUND 8.2	5W
SP1	1-502-936-00	SPEAKER, WOOFER; 30CM	
SP2	1-502-930-00	SPEAKER, MID-RANGE; 8CM	
SP3	1-502-928-00	SPEAKER, TWEETER; 3.5CM	
T1	1-535-133-00	TERMINAL (RED)	
T2	1-535-132-00	TERMINAL (BLACK)	

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CAPACITORS:
- All capacitors are in μF.

RESISTORS
- All resistors are in ohms.

9-958-783-11

Sony Corporation

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